REMARKS

In the Office Action dated August 15, 2002, the Examiner rejected claims 1-14 under 35 U.S.C. §103(a) as being unpatentable over *The San Francisco Project* in view of *Lau* (U.S. Patent 5,987,247) and further in view of *Arnold et al.* (U.S. Patent 5,987,423).

In the Office Action, the Examiner acknowledges that "The San [F]rancisco project as modified doesn't explicitly disclose screen system function for inputting data which can be used by the abstract class group, for calculating, printing and control processing (start/terminating). (Office Action, pg. 13) However, he argues that "Arnold does disclose a User interface (screen system) in a similar configuration which can be used for receiving data for Order processing [10:47-11:28, see Order processing, receiving input from control class, also see 15:20-25 for printing]". (Office Action, pg. 13)

In *Arnold et al.* it is stated that "*The application program developer provides a user interface* and combines operating interface features of the core object classes with the structure and functionality of the Order Processing OOP framework constructed in accordance with the present invention, and also adds particular framework extensions as needed, to generate an application program." (col. 5, lines 23-29) It is clear that the "user interface" is not part of the framework in *Arnold et al.* The user interface is separately provided by the application program developer. Therefore, *The San Francisco Project* in view of *Lau* and further in view of *Arnold et al.* does not disclose, teach, or suggest:

preparing an abstract class group including (i) a system core class group, which has abstractly defined a basic structure and behavior of a business application system

that includes a screen system function for inputting data through a screen, a report system function for printing a report on the basis of the data inputted by the screen system function, a business logic system function for executing at least calculation or aggregation on the basis of the data inputted by the screen system function, and (ii) a screen system class group, a report system class group and a business logic system class group, which respectively inherit said system core class group, wherein said three system class groups are related to each other through said system core class group so that said report system class group and said business logic system class group can start and terminate their processing on the basis of the data inputted through the screen provided by the screen system class group;

inheriting said screen system class group, said report system class group and said business logic system class group of said abstract class group to prepare a screen system functional group, a report system functional group and a business logic system functional group;

inheriting said system core class group of said abstract class group to prepare a system core functional group; and

integrating said screen system functional group, said report system functional group, said business logic system functional group and said system core functional group.

Therefore, claim 1 is patentable over *The San Francisco Project* in view of *Lau* and further in view of *Arnold et al.*, and applicants respectfully request the Examiner withdraw the rejection of claim 1 based upon 35 U.S.C. §103(a).

Claims 3-6 depend on independent claim 1, respectively, and include all the limitations of claim 1. Therefore, Applicants respectfully request the Examiner withdraw the rejection of claims 3-6 in view of the arguments above, and by virtue of its dependency upon claim 1. Applicants also request the Examiner withdraw the rejection of claim 7, since the arguments in claim 1 are similarly applicable to claim 7. Claim 8 depends on independent claim 7 and includes all the limitations of claim 7. Therefore, Applicants respectfully request the Examiner withdraw the rejection of claim 8 in the view of the arguments above, and by virtue of its dependency upon claim 7. Claims 9 and 10 depend on independent claim 7, respectively, and include all the limitations of claim 7. Therefore, Applicants respectfully request the Examiner withdraw the rejection of claims 9 and 10 in the view of the arguments above, and by virtue of its dependency upon claim 7. Applicants also request the Examiner withdraw the rejection of claims 11 and 13, since the arguments in claim 1 are similarly applicable to claims 11 and 13. Claims 12 and 14 depend on independent claims 11 and 13, respectively, and include all the limitations of their respective claims. Therefore, Applicants respectfully request the Examiner withdraw the rejection of claims 12 and 14 in the view of the arguments above, and by virtue of their dependency upon claims 11 and 13.

In view of the foregoing remarks and amendment, Applicants respectfully request the reconsideration and reexamination of this application and the timely allowance of the pending claims.

Please grant any extensions of time required to enter this response and charge any additional required fees to our deposit account 06-0916.

Respectfully submitted,

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APPENDIX

1. (Thrice Amended) A method for constructing a business application system by using a framework described by an object-oriented language, the method comprising the steps of:

preparing an abstract class group including (i) a system core class group, which has abstractly defined a basic structure and behavior of a business application system that includes a screen system function for inputting data through a screen, a report system function for printing a report on the basis of the [date] data inputted by the screen system function, a business logic system function for executing at least calculation or aggregation on the basis of the data inputted by the screen system function, and (ii) a screen system class group, a report system class group and a business logic system class group, which respectively inherit said system core class group, wherein said three system class groups are related to each other through said system core class group so that said report system class group and said business logic system class group can start and terminate their processing on the basis of the data inputted through the screen provided by the screen system class group;

inheriting said screen system class group, said report system class group and said business logic system class group of said abstract class group to prepare a screen system functional group, a report system functional group and a business logic system functional group;

inheriting said system core class group of said abstract class group to prepare a system core functional group; and

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integrating said screen system functional group, said report system functional

group, said business logic system functional group and said system core functional

group.